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(54) NEW POLYPEPTIDE, ITS PRODUCTION, DNA CAPABLE OF CODING THE SAME POLYPEPTIDE, VECTOR COMPOSED OF THE SAME DNA, HOST CELL TRANSFORMED BY THE SAME VECTOR, ANTIBODY AGAINST THE SAME POLYPEPTIDE AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME POLYPEPTIDE OR ANTIBODY

(57)Abstract:  
PURPOSE: To obtain a new polypeptide, comprising a specific amino acid sequence, having biological activities concerned in survival and proliferation of a hematopoietic stem cell and useful for preventing and treating inflammatory diseases, deficiency in the hematopoietic stem cell after the bone marrow transplantation, leukemia, etc.  
CONSTITUTION: This polypeptide is composed of an amino acid sequence expressed by sequence table I which is in a substantially pure

Met	Asn	Ala	Lys	Val	Val	Val	Leu	Val	Leu	Val	Leu	Thr	Glu	Leu
Cys	Leu	Ser	Asp	Gly	Lys	Pro	Val	Ser	Leu	Ser	Tyr	Arg	Lys	Pro
Arg	Phe	Phe	Glu	Ser	Glu	Val	Ala	Arg	Ala	Asn	Val	Lys	His	Leu
His	Leu	Asn	Thr	Pro	Asn	Cys	Ala	Leu	Glu	His	Val	Ala	Arg	Leu
Asn	Asn	Asn	Arg	Glu	Val	Cys	His	Asp	Pro	Lys	Leu	Lys	Trp	Leu

form, its homolog, its fragment or a homolog of the fragment. Furthermore, the polypeptide is obtained by culturing a host cell transformed by an expression vector composed of a DNA capable of coding the polypeptide under conditions for expressing the polypeptide.

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